

CLAIMSRECEIVED
CENTRAL FAX CENTER

JUL 3 1 2006

None of the claims has been amended. The claims are reproduced below for the Examiner's convenience.

1. (Previously Presented) A method for quantifying asymmetry of body positions during a movement, comprising:
 - determining a first set of data that comprises positions of a first limb as the first limb performs the movement;
 - determining a second set of data that comprises positions of a second limb as the second limb performs a similar movement;
 - generating a shape based on the first set of data and the second set of data; and
 - determining a value of a characteristic of the generated shape.
2. (Previously Presented) The method of claim 1 wherein a position of the first limb includes an angle of a joint of the first limb.
3. (Previously Presented) The method of claim 2 wherein a position of the second limb includes an angle of a corresponding joint of the second limb.
4. (Original) The method of claim 1 wherein the movement comprises one or more cycles.
5. (Cancelled)
6. (Previously Presented) The method of claim 1 wherein the shape comprises an angle-angle diagram.
7. (Previously Presented) The method of claim 6 wherein the characteristic of the generated shape comprises an area of the generated shape.
8. (Previously Presented) The method of claim 6 wherein the characteristic of the generated shape comprises an orientation of the generated shape.

9. (Previously Presented) The method of claim 6 wherein the characteristic of the generated shape comprises a minimum moment magnitude of the generated shape.

10. (Previously Presented) The method of claim 1 further comprising comparing the determined value to a value of the characteristic of a shape representing a baseline movement.

11. (Cancelled)

12. (Previously Presented) A method for quantifying asymmetry of joint angles during a movement, comprising:

determining a first set of data that comprises angles of a joint of a first limb as the first limb performs the movement;

determining a second set of data that comprises angles of a joint of a second limb as the second limb performs a similar movement;

generating a cyclogram based on the first set of data and the second set of data;

determining a value of a characteristic of the generated cyclogram; and

comparing the determined value to a value of the characteristic of a cyclogram representing a baseline movement.

13. (Previously Presented) A system for quantifying asymmetry of body positions during a movement, comprising:

a first determination module configured to determine a first set of data that comprises positions of a first limb as the first limb performs the movement;

a second determination module configured to determine a second set of data that comprises positions of a second limb as the second limb performs a similar movement;

a generation module configured to generate a shape based on the first set of data and the second set of data; and

a third determination module configured to determine a value of a characteristic of the generated shape.

14. (Previously Presented) A computer program product for quantifying asymmetry of body positions during a movement, including a computer readable medium, which comprises instructions to perform the following:

determining a first set of data that comprises positions of a first limb as the first limb performs the movement;

determining a second set of data that comprises positions of a second limb as the second limb performs a similar movement;

generating a shape based on the first set of data and the second set of data; and

determining a value of a characteristic of the generated shape.

15. (Previously Presented) The method of claim 1 wherein a position of the first limb includes a location of a portion of the first limb.

16. (Previously Presented) The method of claim 1 wherein a position of the first limb includes a location of a joint of the first limb.

17. (Previously Presented) The method of claim 1 wherein the first limb is part of one body and wherein the second limb is part of the same body.

18. (Previously Presented) The method of claim 1 wherein the first limb is part of one body and wherein the second limb is part of a different body.

19. (Previously Presented) The method of claim 1 wherein the first limb comprises a leg.

20. (Previously Presented) The method of claim 1 wherein the first limb comprises an arm.

21. (Previously Presented) The method of claim 10 wherein the baseline movement comprises a perfectly symmetrical movement.

22. (Previously Presented) The method of claim 12 wherein the movement comprises one or more cycles.